



AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

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June 21, 2013

Mr. Daniel Cooper
Chicago Park District
541 N. Fairbanks Ct.
Chicago, IL 60611

RE: Radiological Surface Gamma Survey Results for Peanut Park, Chicago, Illinois
Permit No.: D12212-01
AECOM Project No. 60287451

Dear Mr. Cooper:

Peanut Park (Site) is approximately 4 plus acres of land that was created when Lake Shore Drive was reconfigured in 1981. The larger North Grant Park, located just west of the Site, is undergoing redevelopment that includes using the Site for the temporarily stockpiling of soil from the North Grant Park project. The majority of the soil will be returned to North Grant Park as part of the redevelopment. Excess soil not reused on North Grant Park will be subsequently utilized to increase the final grade of Peanut Park.

AECOM Technical Services, Inc. (AECOM) conducted a radiological surface gamma survey at the Site on December 27, 28 and 31 of 2012. Figure 1 provides an outline of the area surveyed. As shown in Figure 2, soil was already stockpiled along the northern portion of the Site. Thus, select grid locations along the northern boundary were not able to be screened entirely (refer to Figure 2).

The radiological surface survey was performed utilizing procedures previously approved by the United States Environmental Protection Agency (USEPA) for other surface surveys and remediation projects in the Streeterville area. Specifically, a 25-foot by 25-foot grid network was created within the fenced portion of the Site (refer to Figure 1). The 25-foot grids were marked by flagging and/or paint at the edges of the survey area and within the Site. The entire surface area within each grid cell was slowly traversed so that the walk-over survey covered 100 percent of the intra-grid surface area. The radiological surveying was conducted using a Ludlum 2221 scaler-ratemeter and an unshielded 2 x 2-inch Sodium Iodide (NaI) probe. Field screening data sheets were used to record the grid coordinates and associated intra-grid maximum gamma readings. Data was also recorded from the 4 corners of each grid.

The monitoring of the radiological surface survey revealed no indication of soils above the specified cleanup threshold established by the USEPA for the Streeterville area of Chicago. The USEPA cleanup threshold for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). For the instrumentation used, the gamma count equivalent to the 7.1 pCi/g threshold was 18,865 counts per minute (cpm) unshielded. Unshielded intra-grid cell maximum field gamma measurements recorded during the surface survey ranged from 6,500 to 12,500 cpm with an average of 10,055 cpm. Figure 2 presents alpha numeric grid network and the maximum gamma reading for each grid cell. Figure 3 presents a histogram of the maximum intra-grid gamma readings, which shows that the majority were between 9,000 and 11,000 cpm (i.e., approximately 75%). Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.



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Please contact us with any questions you have regarding this letter or the reported results.

Regards,

Brian R. Schmidt
Project Scientist II

Steven C. Kornder, Ph.D.
Senior Project Geoscientist

cc: Verneta Simon, USEPA

Attachment: CDOPH Permit
Surface Survey Boundary Drawing
Surface Survey Grid and Maximum Gamma Readings
Maximum Gamma Readings Histogram

AECOM has completed this project under the Master Agreement with the Chicago Park District (Specification No. P-11007). This work has been performed in conformance with the care and skill ordinarily exercised by similar members of the profession practicing and performing the same or similar services and performing under similar conditions at the same time or similar locality. No other warranty of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by the rendition of consulting services or by furnishing oral or written reports of the findings made.

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DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.PRPTY.02

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. **Please note that for some locations, additional health and safety procedures may be required by law.**

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site. Further, I will ensure that all work at the subject site, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and surveying conducted shall be provided to CDPH and the United States Environmental Protection Agency **within two (2) weeks of their completion**. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): Daniel Cooper Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 431 E Randolph St, Chicago, IL
South of Randolph, North & West of Lake Shore Drive

Nature of Work: Topsail removal & stockpiling

Company Name, Address, Phone No.: Chicago Park District, 541 N Fairbanks St, 312-742-4287

General / Prime Contractor Name, Address, Phone No.: McHugh Construction
Include subcontractor information if applicable

Safety Officer / Phone No. Carlos Del Val - 312-617-6137

Radiation Contractor / Phone No. (if applicable) AECOM, Steve Kornder, 262-515-7700

Check if City Department Work ☐ Department Name: _____

CDOT Permit No. or Developer Services No.: DOB Permit # D12212-01

Today's Date: 12/20/12 Expected Start Date: 12/27/12 CDPH Approval / Date: [Signature] 12/27/12

Please return this completed form to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

Figure 2
Surface Maximum Gamma Survey Results
(Counts Per Minute)
Peanut Park, Chicago IL

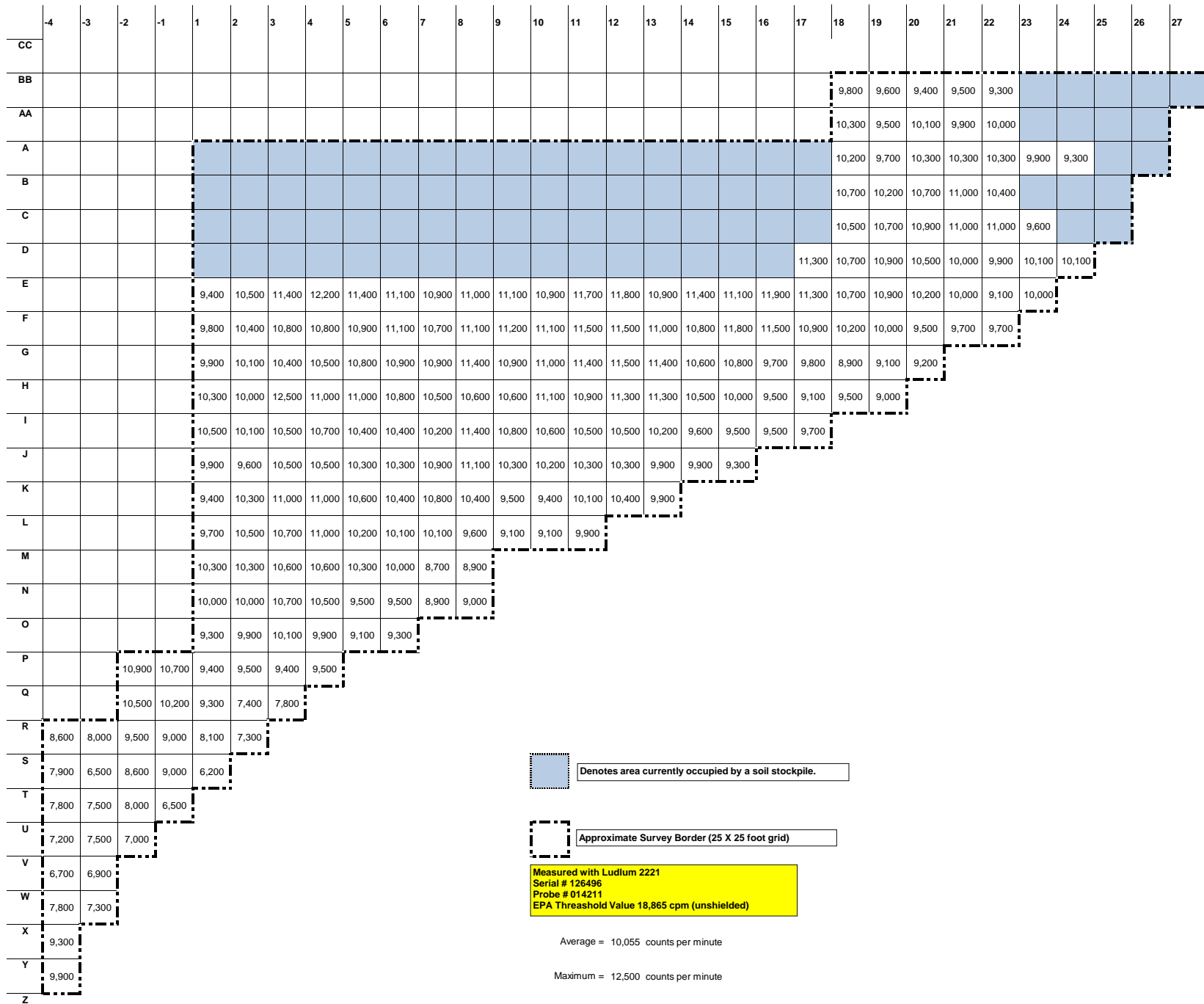


Figure 3
Surface Gamma Maximum Grid Cell Reading Histogram
Peanut Park, Chicago, Illinois
December 2012

